

# KEYBOARD



USER'S MANUAL

## GENERAL SPECIFICATIONS:

### \* MECHANICAL SPECIFICATIONS:

- 1) KEY TRAVEL TOTAL TRAVEL:  $4 \pm 0.4$  mm  
PRETRAVEL:  $2 \pm 0.6$  mm
- 2) INITIAL ACTUATING FORCE: MIN. 30 CN
- 3) OPERATING FORCE:  
STANDARD KEY :  $60 \pm 20$  CN  
SPACE BAR :  $90 \pm 25$  CN
- 4) FUNCTION: NORMALLY OPEN CONTACT

### \* ELECTRICAL SPECIFICATIONS:

- 1) INSULATION RESISTANCE: 100M OHM AT 100V DC
- 2) CONTACT BOUNCE: 5ms MAX
- 3) OPERATING VOLTAGE:  $+5\text{VDC} \pm 10\%$
- 4) OPERATING CURRENT: 250mA MAX AT  $+5\text{VDC}$
- 5) COMPATIBLE WITH IBM PC XT/AT

### \* KEY LIFE TIME:

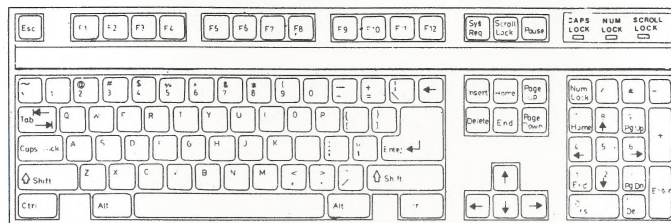
LIFE TIME WITH ELECTRICAL LOAD: 10 MILLION MIN.

### \* ENVIRONMENTAL:

- 1) STORAGE TEMPERATURE:  $-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$
- 2) OPERATING TEMPERATURE:  $0^{\circ}\text{C} \sim +60^{\circ}\text{C}$
- 3) HUMIDITY: 30% - 95 % RH WITH NON-CONDENSING

### \* F. C. C. ID, FMA44H

## \* KEYBOARD LAYOUT



### \* CAUTION:

THIS KEYBOARD IS, XT/AT/PS-2 COMPATIBLE 101 KEYS, LAYOUT FOR THE U.S.A. MARKETPLACE, IF YOUR KEYBOARD IS INTERNATIONAL LAYOUT, PLEASE REFER TO IBM'S CHARACTER ARRAY ASSIGNMENTS.

### A. MODEL:

5060, 6154

80286  $\leftrightarrow$  8088



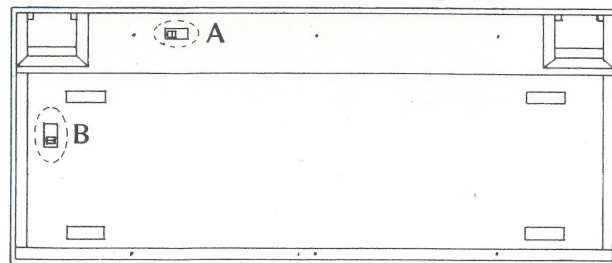
### B. MODEL:

6151, 6153, 6251

8088 6351



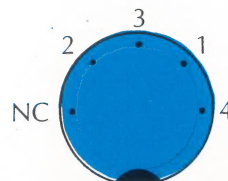
8088  
 $\updownarrow$   
80286



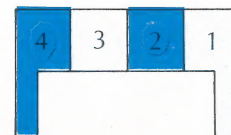
### \* PIN CONNECTS:

5 PIN DIN PLUG

4 PIN CONNECTOR



SHELL



PINS	DESCRIPTION	VOLTAGE
1	Ground	0
2	Power	+5VDC
3	Keyboard Data	+5VDC Signal
4	Keyboard Clock	+5VDC Signal

# 102KEY AT/XT KEYBOARD LAYOUT

## U. K.



## ITALY



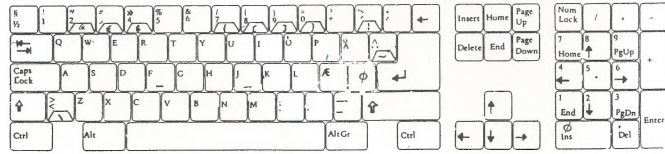
## FRANCE



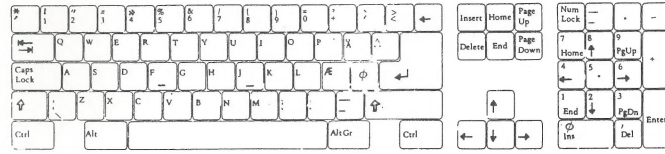
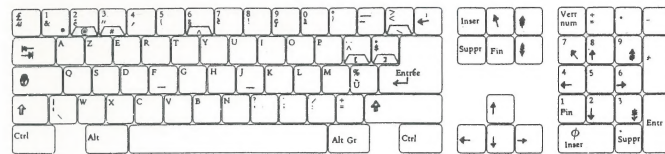
## GERMAN



## DENMARK



## XT



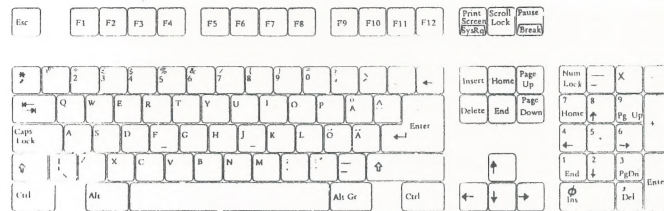
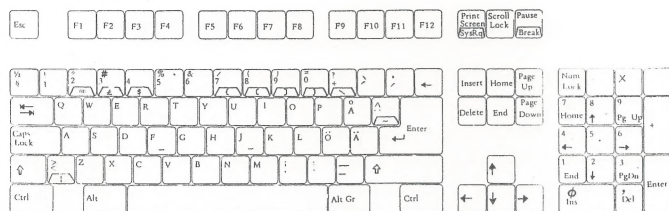


# 102KEY AT/XT KEYBOARD LAYOUT

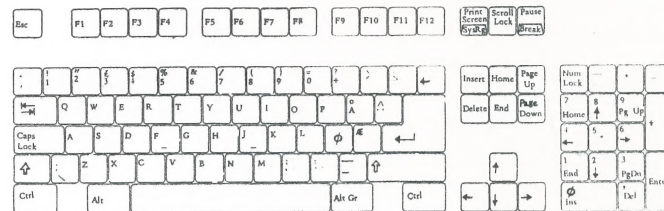
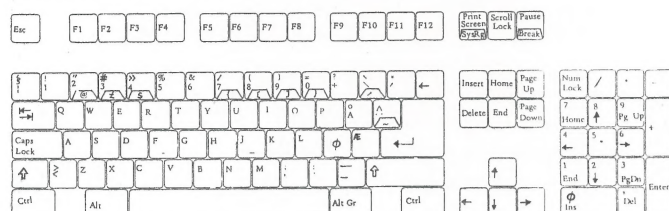
AT

XT

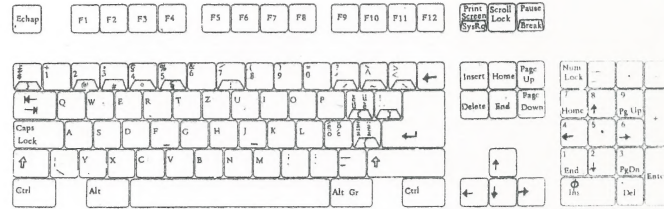
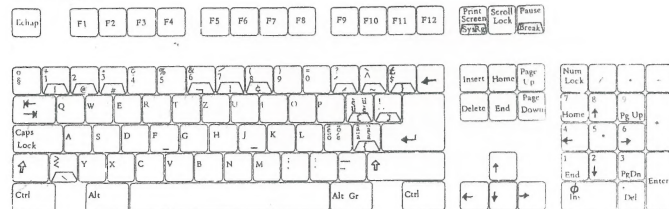
SWEDEN



NORWAY



SWISS



SPAIN

